

## REMEDIAL SITE ASSESSMENT DECISION - EPA NEW ENGLAND

Site Name: Connecticut Cycle Accessories	EPA ID#: _CTD057236465_
Alias Site Names:	•••
Address:90 South Park Street	City: Windham State: CT
Refer to Report Dated: <u>09-26-94</u> Report type: <u>SIP</u>	
Report developed by:CT DEP	
DECISION:	
1. Further Remedial Site Assessment under CERCLA (Superfund	) is <u>not</u> required because:
1a. Site does not qualify for further remedial   site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)	1b. Site may qualify for further
X   2. Further Assessment Needed Under CERCLA: 2	a. (optional) Priority:     Higher   X   Lower
2b. Activity     PA     ESI Type:     SI     HRS evaluation	on
X ther:Further evaluation needed	·
·	
DISCUSSION/RATIONALE:	
Groundwater contamination in residential wells have been attributed to monitored and treatment is provided where necessary.	o the site. The contaminated wells are being
Potential release from NPDES permit to the surface water pathway.	
,	-
Report Reviewed and Approved by:	1. m
	Date: <u>May 1, 1997</u>
Site Decision	
Made by:  Don Smith Signature:	hull Date: May 1, 1997
Signature	Justin May 1, 1997

EPA Form # 9100-3



# STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



Site Inspection Prioritization Report Connecticut Cycle Accessories Windham (Willimantic), Connecticut CERCLIS No. CTD057236465 September 26, 1994

#### INTRODUCTION

The following Site Inspection Prioritiztion (SIP) complies with the requirements set forth under the EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended. The SIP represents a site screening process set forth by the National Contingency Plan (NCP). It does not necessarily fulfill the requirements of other State and Federal Regulations, such as RCRA. This work is being completed under Connecticut's Multi-Site Cooperative Agreement (MSCA) with EPA.

A site sampling trip was conducted on-site at Connecticut Cycle Accessories on South Park Street in Willimantic, Connecticut on 8/15/91 by CT DEP Permitting, Enforcement and Remediation Division personnel during the SI investigation. The weather was overcast with periods of rain, with a temperature of approximately 80°F.

Submitted by:

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Permitting, Enforcement and

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2 Rleil

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#### INTRODUCTION

Connecticut Cycle Accessories is located at 90 South Park Street in the town of Windham (Willimantic), Connecticut. The site was entered into the Federal Superfund (CERCLA) Information System (CERCLIS) as a result of an EPA 103(c) questionnaire submitted by the company which suggests the existence of a 50,000 ft<sup>2</sup> "facility" used for hazardous waste.

#### DESCRIPTION AND REGULATORY HISTORY

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. (1,2)

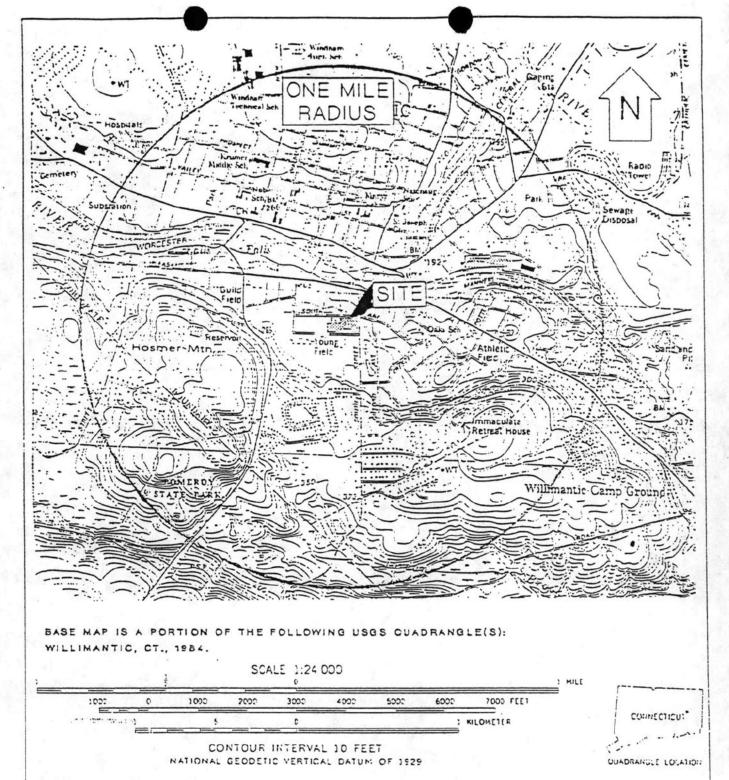
The site is approximately 4.5 acres in area with one building. The building is sectioned due to structure additions over the years. All sections of the building are inter-connected. The site is bordered by a wooded area to the west, South Park Street to the north, South Street to the east, and Young Street to the south. The building is almost entirely surrounded by either roadway or paved parking areas, both of which have been in existence prior to the Connecticut Cycle Accessories occupancy. A small area of grass exists(~15 ft²) in an area between Young Street and the Building. CT DEP collected soil samples from this area during the 8/15/91 Screening Site Inspection investigation(see "Soil" section of narrative). The area surrounding the site is residential. Access to the site is not restricted. The topography of the property is relatively flat. (4,5,6)(Figures 1 and 2)

The site is located in the Shetucket Regional Basin. The Shetucket River Basin is approximately 507 square miles in area lying within the Thames River Major Drainage Basin of Connecticut. The closest surface water is the Willimantic River, which is located approximately ¼ of a mile to the north of the site. The surface water classification of the Willimantic River in this area is B. (4)

In 1980, Connecticut Cycle Accessories notified as an uncontrolled waste site pursuant to § 103(c) of CERCLA. However, the notification states that no releases occurred at the site. According to Mr. Turkington, the owner of the site and owner of Connecticut Cycle Accessories, the "50,000 ft² facility" reported in the notification describes the total area of the building in which Connecticut Cycle Accessories was housed. (1)

During inspections conducted by CT DEP on 5/7/82, and 5/10/82, Connecticut Cycle Accessories was cited for violations of Connecticut's Hazardous Waste Management Regulations. The violations cited pertained to inspection logs (25-54cc(c)-28), contingency plans (25-54cc(c)-31), training records (25-54cc(c)-29), container management (25-54cc(c)-38), short term storage and accumulation time (25-54cc(c)-7). (1)

A Notice of Violation (NOV-040) dated 11/9/82 was issued to the company citing the aforementioned violations following the 1982 inspection. Based on an inspection of the facility on 11/5/86, the company was found in full compliance with NOV-040 and all applicable Connecticut Hazardous Waste Management Regulations under the provisions of § 22a-449 of the Connecticut General Statutes. (1)



CONNECTICUT CYCLE ACCESSORIES WILLIMANTIC, CONNECTICUT

Location map

FIGURE I

Connecticut Cycle Accessories (RCRA ID No. CTD057236465) was sold to Connectat in February of 1986. The RCRA identification number, the NPDES permit, and sewage discharge permits were all transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. A Negative Declaration (Form I) was filed by Mark Turkington pursuant to Connecticut's "Transfer of Establishment Act". The Form I submittal by Mr. Turkington notified CT DEP that no release had occurred at the site. (1,2)

A Notice of Violation (NOV-434) dated 6/22/87 was issued to Conncraft citing violations of Connecticut's Hazardous Waste Management Regulations under provisions of Chapters 439 and 446k, §§ 22a-6 and 22a-449 of the Connecticut General Statutes. The company was ordered to bring all waste handling procedures/facilities into compliance with the State's Hazardous Waste Management Regulations by hiring a qualified consultant to perform a site assessment and implement an appropriate remediation. On 2/1/91, Conncraft was found in compliance with all terms of Order Nº HM-434. (1)

#### OPERATIONAL HISTORY AND WASTE CHARACTERISTICS

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. Town records show that the earliest identified owner of the property on record was Ruth White, who acquired the property as a devisee of part of an estate. The devisor of the estate, prior ownership, and related transaction dates are unknown. Mrs. White sold a parcel of land related to the site to Willimantic Industries on 6/13/50, and the other parcel related to the site to Charles Hitchcock on 5/12/55. Charles Hitchcock then sold the parcel to Electromotive on 7/20/55. Willimantic Industries and Electromotive shared ownership of the parcel for a short period of time. The shared parcels make up the present acreage of the site.

The present owners, Mark and Philip Turkington have owned this property since 6/29/76, when it was purchased from Electromotive. The Turkingtons were also the owners of the former Connecticut Cycle Accessories. Town records state that structures related to Williamntic Industries were in existence at this site since 1890. Additions to existing structures have created the multi-sectioned building currently in existence at the site(see Figure 2). (1,2,5)

Electromotive Manufacturing Corporation (Plant # 1) had operations at the South Park Street location from 1939 until 1975, according to CT DEP files. The company manufactured radio and television capacitors and conductive silver at this location. Their processes included fabrication and assembly, grinding, forming, molding, "mixing with vehicle", printing and baking, testing, and packaging. CT DEP inspection reports for Electromotive indicate that no industrial wastes were generated by Electromotive at this location. (1)

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding The plating line consisted of one semi-bright nickel plating tank (400 gallon), one bright nickel plating tank (400 gallon), and one chrome plating tank (550 gallon). Cleaning line consisted of one soaking tank (400 gallon), one descale tank (400 gallon), and one electric cleaning tank (400 gallon). Other process tanks included a hydrochloric acid tank (500 gallon), four rinse water tanks (400 gallons each), and a nitric acid tank. No cyanide was used in their processes. The plating line was contructed of cement and was recessed

into the first floor (above ground level), inside of the building used by Connecticut Cycle Accessories. No floor drains were observed by CT DEP staff in the wood floors of the Connecticut Cycle Accessories building during this investigation. (1,6)

Waste generated by the company included rinse water (1,000 gal/day) which was generated from the rinsing of parts after they were cleaned with hydrochloric and sulfuric acids, and industrial caustic cleaners in preparation for plating. The rinse water was stored and treated in two 5,000 gallon tanks. Sulfur dioxide was added to reduce hexavalent chromium compounds, then sodium hydroxide was added to raise the pH. (1)

The waste water was then filtered through a Serfilco filter unit and mixed with a poly flocculent to remove any sludge. The filtrate was then discharged to the Willimantic River along with non-contact cooling water which was generated during the welding processes (NPDES permit No. CT0023086, Sewage discharge permit No. DEP/WPC-163-036). Metal hydroxide (from the filters) and spent filter material were stored in 55-gallon drums in an area located inside the building(see Figure 2). This was manifested off-site at a rate of approximately 1,000 gallons/yr, as was Safety Kleen at approximately 30 gallons/month. Connecticut Cycle Accessories' final volume of waste was shipped off-site by EWR in June of 1986. Connecticut continued to use the plating line after Connecticut Cycle Accessories had moved out under Connecticut's Cycle Accessories' EPA IDN<sup>o</sup>. As part of Order N<sup>o</sup> 434, a total of 74 drums of hazardous waste, and one drum of non-hazardous waste were manifested off-site, including substances/wastes which had been found on-site by the Turkington's upon their property ownership. The concrete plating bath area has been filled with gravel, and covered with concrete as part of the terms of Order N<sup>o</sup> 434(see Figure 2). (1)

During the cleanup of the building by the Turkingtons in 1986, prior to Conncraft's occupancy, 23 drums of cyanide and 3 drums of cadmium were discovered in storage. These chemicals were used by Electromotive, a company that occupied the building prior to Connecticut Cycle Accessories, however, these chemicals were not used by Electromotive at this location. The processes in which Electromotive used cyanide and cadmium were performed at the Electromotive plant #2, located on Bridge Street, Willimantic. It is likely the drums found during the clean up of Connecticut Cycle Accessories had been left there by Electromotive when the company went out of business at both locations. (1,6)

All of the wastes found at the site during the clean up were characterized and manifested off-site for proper disposal by E.W.R. of Waterbury, Connecticut (CERCLIS No. CTD072138969), and Envirite Corporation of Thomaston, Connecticut (CERCLIS No. CTD093616613). (1)

Conncraft, a division of Plycraft located in Lawrence, Massachusetts, manufactured metal office furniture. This company operated at the South Park Street location from February of 1986 until October of 1987. Operations performed by this company consisted of aluminum and steel tube fabrication, plating, painting, and wastewater treatment. Numerous chemicals were used including: Nitric acid, Chromium, Nickel Sulfate, Nickel Chloride, Sulfuric Acid, Caustic cleaner, and Hydrochloric Acid. (1)

The wastes generated by Conncraft were metal hydroxide sludge, and filter paper containing metal hydroxide sludge. Metal hydroxide (from the filters) and spent filter material were stored in drums inside the building and periodically manifested off-site for proper disposal by Envirite Corporation of Thomaston, Connecticut. Rinse waters were discharged to the Willimantic River under NPDES permit (NPDES Permit No. CT0023086). (1,2)

American Healthstyle Furniture was the succeeding company to occupy this section of the building. This company manufactured an identical product and utilized the same processes as Conncraft and operated at the South Park Street location from October of 1987 until November of 1988. (1)

Polymer Coaters operated at the South Park Street location until May of 1987. It is unclear as to when this company began operations at this location or how long they were a tenant. Their operations are unknown, however, CT DEP files state that the company's processes involved using a Methylene Chloride and Acetone mixture. Files also indicate that the Methylene Chloride and Acetone was manifested off-site for disposal by Solvents Recovery Service of Southington, Connecticut (CERCLIS No. CTD009717604). (1)

All companies known to have conducted business out of this location have been listed as follows (present occupants listed in **bold print**): (1,6)

American Healthstyle Berger Brothers

Camcar Computer Supply

Connecticut Cycle Accessories

Electromotive Ernie Eldridge

Furniture Fair G.B.G.

Hartford Courant Headstart

Keeper Corporation M & D Machine

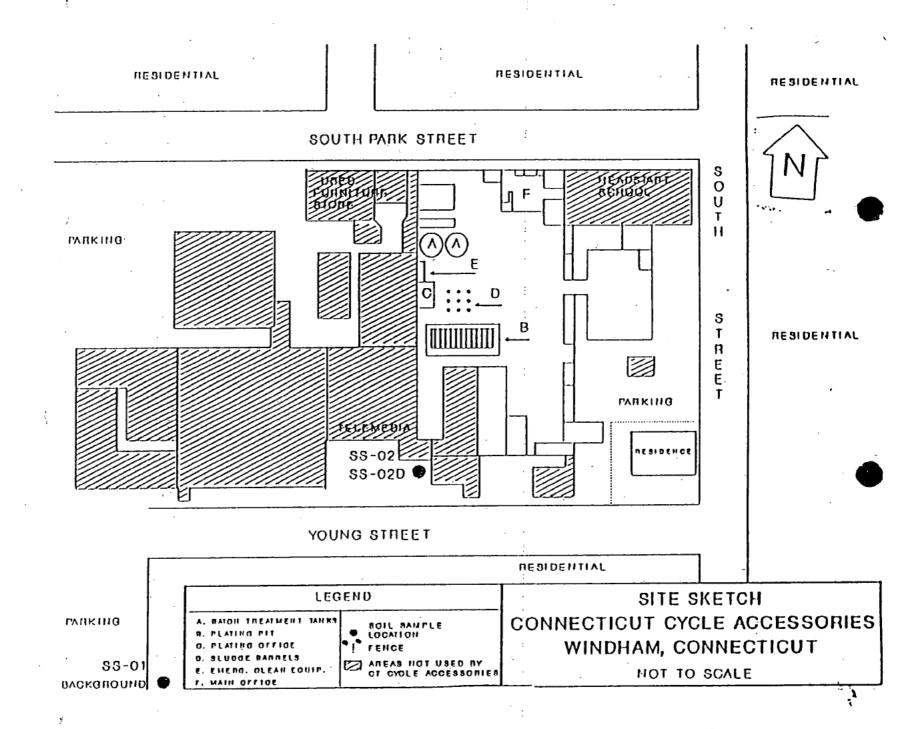
Multitech Nassiff's

Nu-Tech Polymer Coaters

Telemedia United Abrasives

Willimantic Industries

Of the companies previously located on-site, Connecticut Cycle Accessories/Conncraft (12/4/80, large quantity generator), Computer Supply (7/18/80, non-regulated/non-handler), and Polymer Coaters (3/21/83, large quantity generator), are the only RCRA Notifiers of hazardous waste activity. With the exception of Connecticut Cycle Accessories, none of the companies identified in the previous list are included in CERCLIS. None of the sites listed above are included on the "CT Inventory of Hazardous Waste Disposal Sites" at this time. (1,2)



There is little information on most of the products and processes performed by the companies which occupied the South Park Street location. Tylomata(a cable television company) and the Hartford Courant (a newspaper) use sections of the building as a warehouse. Camcar's product is related to distribution services. Berger Brothers is a company that markets janitorial supplies. (1,2,6)

G.B.G.'s process consists of the swaging of cable ends. Nassiff's performs screen printing at this location. Keeper Corporation assembles tie-downs for boats, etc. Nu-Tech is a water testing company. Furniture Fair distributes furniture from this location. There is no information on file regarding any of the other companies that utilized this site. (1,2)

Headstart is a daycare type program located in a section of the building which was not utilized by Connecticut Cycle Accessories. The program manages three groups of children per day, twenty children per group. There is also ten staff members in total. According to all available information, the daycare is not located in an area utilized for past operations involving hazardous wastes. (6)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. The samples were analyzed for halogenated volatile organic compounds (EPA method 8010), aromatic volatile organic compounds (EPA method 8020), inorganic elements, and cyanide. No VOCs were reported present in the samples. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for metals or cyanide. (2,6)(Figure 2)

# TABLE 1 SOIL SAMPLE RESULTS SUMMARY CONNECTICUT CYCLE ACCESSORIES Samples Collected by CT DEP on August 15, 1991

Sample Location/Rational	Contaminant	Concentration
SS-01(soil) Background location south of site and parking lot.	NA*	NA*
SS-02(soil) Small grass area southcentral side of building. One of the few open/unpaved areas on-site.	ND**	ND**
SS-02d(soil) Duplicate of location SS-02	ND**	ND**

<sup>\*</sup>NA not applicable

#### GROUND WATER

The landscape in the area of the site is characterized by rolling hills interrupted by several major valleys. The major hills in the area are bedrock controlled. The bedrock is close to the surface in many places and outcrops are common on some hilltops in the area. (4,6)

<sup>\*\*</sup>ND none detected

The surficial geology in the area of the site is of glacial origin. The surficial deposits in the area of the site are made up of ice-contact stratified drift. The ice-contact stratified drift consists of gravel, sand, silt, and clay deposited in transient glacial streams, lakes and ponds. The depth to groundwater is estimated to be between 10-30 ft below the ground surface based on well logs pertaining to surrounding areas. The groundwater flow direction in the area of the site is inferred to be in a northwesterly direction towards the Willimantic River. The site is located in an area that is not susceptible to seasonal, 100 year, or 500 year flooding. (4,6)

The Willimantic quadrangle is situated in the geologic setting identified as the eastern highlands of Connecticut. The bedrock geology in the area consists of Hornblende gneiss. This formation is made up of a combination of medium-grained black-hornblende gneiss, mafic amphibiotite, and biotite schist, and felsic biotite gneiss representing water-deposited basaltic to decitic volcanics. The depth to bedrock in the area of the site is unavailable. (4)

The groundwater underlying the site and in the immediate area of the site has a classification of GB, with areas of GB/GA and GB/GB/GC in the surrounding areas. (4)

Five community water companies supply the town of Willimantic with drinking water. The Willimantic Water Works supplies the town of Windham as well as the town of Mansfield. The Willimantic Water Works draws it's water entirely from the Willimantic Reservoir (distribution) and Naubesatuck Lake, aka Mansfield Hollow Dam (storage). There is no potential for activities at this site to impact the Willimantic Water Works supply. (4,5,6,9)

The pumping facility is located approximately one mile downstream of the Willimantic Reservoir and the Mansfield Hollow Dam and is located 2½ miles north of the site. This water supply does not lay along the surface water pathway from the site. (4,5,6,9)

Abby Manor Convalescent Home, Brick Top Apartments, Cedarcrest Apartments, and Willington Commons are the other community water companies located in Windham, Ct. (4)

The following summarizes public water supply sources located within the study area, and the estimated population utilizing groundwater supplied by private drinking water wells that are located within the study area. (4,5,6, 8,9)

# PUBLIC WATER SUPPLY SOURCES WITHIN A 4 MILES RADIUS (AND/OR 15 DOWNSTREAM MILES) OF CONNECTICUT CYCLE ACCESSORIES

Distance/ Direction	Source Name	Location ofSource	Population <u>Served</u>
(b) (9)	Hosmer Mountain Bottling Company	Willimantic	2,000 case/wk, 275 oz/case 1 case/avg. family
	Brick Top Apartments	Windham	168
	Village Hill Apartments	Lebanon	36

(b) (9)	Cedarcrest Apartments	Windham	48
	Plains Road Apartments	Windham	312
	Abby Manor Convalescent Home	Windham	135
	Mountain Road Supply	Mansfield	72
	Colonial Drive 뉴	Columbia	30

<sup>#</sup> Water Supply(s) that are within the same sub-regional drainage basin as the site.

# PRIVATE WELL USERS WITHIN A FOUR RADIUS OF CONNECTICUT CYCLE ACCESSORIES

Populations within radial distances were derived using United States Geological Survey(USGS) Topographic Maps, United States Census Data, 1990(populations per household and/or land area), and by information obtained from local town offices and municipal water suppliers serving the study area.

Radial Distance From Connecticut Cycle Accessories (miles) 0.00 - 0.25	Approximate Population Served by Private Wells 0
0.25 - 0.50	0
0.50 - 1.00	47
1.00 - 2.00	3,654
2.00 - 3.00	6,353
3.00 - 4.00	8,611

No groundwater samples were collected during the July, 1994 site investigation. The nearest public water supply well is the Hosmer Mountain Bottling Company, which is located approximately of the site. The Hosmer Mountain Bottling Co. utilizes an on-site well for their soft drink bottling company. The well is a 180 ft. bedrock well, and the company uses 5,000 - 9,000 gal/day. The company distributes their soft drinks to the public, thus deeming their water supply a "public" water supply. The nearest private wells are located approximately (b) (9) of the site in the towns of Lebanon and Windham. The site and surrounding area obtain water from the Willimantic Water Works and utilize a municipal sewer system. There are no wellhead protection areas within the study area. (4,5,6,8)

#### SURFACE WATER

The site is located in the Shetucket Regional Basin. The Shetucket River Basin is approximately 507 square miles in area lying within the Thames River Major Drainage Basin of Connecticut. The Willimantic River passes the site approximately 1/4 mile to the north and flows at an average rate of 216 cubic feet per second(cfs). The site is located in an area that is not susceptible to seasonal, 100 year, or 500 year flooding. The Willimantic River has a Connecticut Surface Water Quality

Classification of Bc at this point. The Willimantic River converges with the Natchaug River approximately 3/4 mile N/W of the site. The Natchaug River has a Connecticut Surface Water Quality Classification of B/A at this point. (4,6)(Figures 3 and 4)

The Shetucket River is formed at the confluence of the Willimantic and the Natchaug Rivers (3/4 mile downstream of site). The Shetucket River flows approximately 15 miles where it is joined by the Quinnebaug River. The Shetucket River continues approximately 4 miles from this point to become the Thames River. (4,6)

The Shetucket River's surface water quality changes from  $B_{\infty}$ ,  $3\frac{1}{2}$  miles downstream of the site, to  $B_c$ ,  $5\frac{1}{2}$  miles down stream of the site. The Quinnebaug River has a surface water quality classification  $B_c$  where it meets the Shetucket River (15 miles downstream of site). The Thames River has a Connecticut Surface Water Quality Classification of SC/SB at it's origin. (4,6)

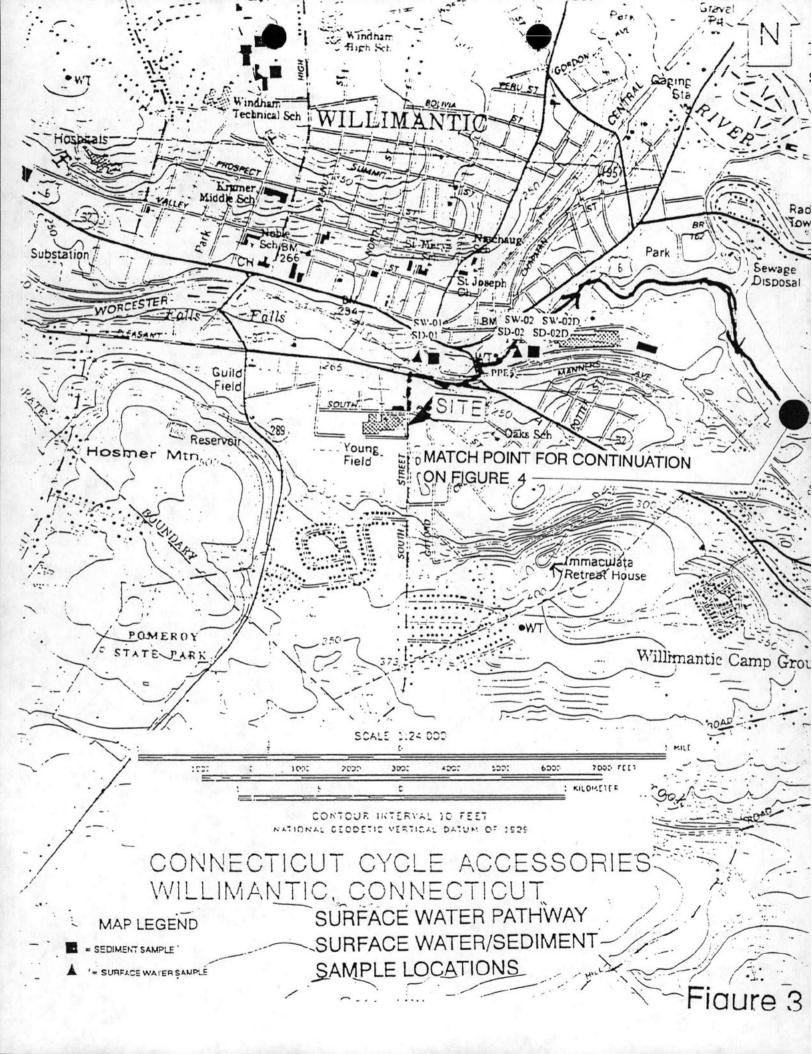
Connecticut Cycle Accessories was sold to Connecraft in February of 1986. The NPDES permit and sewage discharge permits were transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. Connecraft continued the discharge of rinse waters to the Willimantic River under the NPDES permit (NPDES Permit No. CT0023086). There is no information pertaining to whether there were any other types of discharges, other that sanitary, directed to the other(sewage) discharge. There has been only one minor violation logged against Connecticut Cycle Accessories for NPDES violations. The violation pertains to levels of iron and nickel present in the discharge not within the permit parameters. Subsequent correspondence state that the situation was corrected. (1,2)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. As part of that project, a total of nine (9) samples were collected (which included a duplicate soil sample and a background soil sample) from two (2) locations. A sample summary list is found in Table 1 and the location of each sampling station is found in Figure III. Background sample location for the project is identified as SS-01.

The sample which was taken at the SS-02 and SS-02D locations yielded no concentrations above background level. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for volatile organic compounds, metals or cyanide.

Source sampling was not performed as part of the SIP investigation. Sufficient data from previous source sampling events was available for the purposes of this investigation.

There have been no known air samples taken in the past which would correlate to the site other than the air monitoring performed on-site in 1991 by CT DEP during the Screening Site Inspection investigation. The air monitoring was performed from a health and safety standpoint and was not meant or used for qualitative contamination identification purposes. Air sampling for the purpose of specific contamination identification was not performed as part of the CT DEP, 1991 sampling objective. Instrumentation used during the, 1991 sampling trip included a Photovac, Inc. Micro Tip (HL-200 photoionization detector / PID) with a 10.6 eV lamp and an Industrial Scientific Inc. Combustible Gas Indicator/Oxygen Meter (CGI/O<sub>2</sub> MX-251). No readings were recorded above from background levels. No violations logged against Connecticut Cycle Accessories pertaining to air emmissions. (1,2)



Samples of surface water and river sediment were collected as part of the 1994 CT DEP Site Investigation Prioritization(SIP) investigation. Samples were collected from locations up stream and downstream of the point where the storm sewer system(located along the perimeter of the site) discharges into the Willimantic River. Surface water runoff originating at the site would enter this storm sewer system and ultimately enter the Willimantic River at a point approximately ¾ of a mile northeast of the site. This location would be considered to be the Probable Point of Entry(PPE), however, there is no evidence of a release of a hazardous substance via this pathway. Companies at this site have utilized NPDES permits for surface water discharges. Waste waters originating at the site were discharged to the aforementioned storm sewer system and discharge into the Willimantic River at the aforementioned PPE location. These discharges There are no NPDES permit violations on record for any of the companies at this location(past or present). (1,2,6)(Figure3)

The samples were analyzed for volatile organic compounds (EPA methods 8010-8020), inorganic elements, cyanide, and physical/chemical parameters(surface water only). The samples were labeled and sealed with "chain of custody" tape. The samples were stored on ice until delivered to the analytical laboratory. Any and all other forms of preservatives required for the samples were provided by the analytical lab. (6)

Sediment samples were collected along the bank of the Willimantic River. The sediment was brown-lightbrown in color, fine-grained and moist, with cobbles dispersed throughout the material. The upstream samples were collected at a location above a waterfall along the Willimantic River approximately 150-200 ft upstream of the storm sewer discharge(PPE). Due to the waterfall, this sample location insures a characteristic background sample and/or possible attribution. The downstream samples were collected at a location below the aforementioned waterfall along the Willimantic River approximately 150-200 ft downstream of the storm sewer discharge(PPE). Several VOCs were present in the background sediment sample. Acetone was detected in all sediment samples and methyl ethyl ketone was present in the background sample and one of the downstream samples. Acetone and methyl ethyl ketone both occur as natural products of biodegradation. No metals were detected in the surface water samples at levels ≥ 3 ×'s the background sample. No cyanide was detected in any of the samples. (6)

TABLE 2
SURFACE WATER/SEDIMENT SAMPLE RESULTS SUMMARY
CONNECTICUT CYCLE ACCESSORIES
Samples Collected by CT DEP on August 4, 1994

Sample Location/Rational	Contaminant	Concentration
SW-01(surface water) Point upstream of storm sewer discharge.	Metals/Cyanide NA* VOCs	NA*
SW-02(surface water) Point downstream of storm sewer discharge.	Metals/Cyanide none ≥ 3 ×'s bkgnd  VOCs ND**	ND**



SURFACE WATER PATHWA'
Figure 4

SW-02D(surface water) Duplicate of location SW-02.	Metals/Cyanide none ≥ 3 ×'s bkgnd	ND**
	VOCs ND**	
SD-01(sediment) Point upstream of storm sewer discharge.	Metals/Cyanide NA	
	VOCs Acetone Methyl Ethyl Ketone Cis-1,2-Dichloroethylene Chloroform Toluene Tetrachloroethylene	1,200. µg/l 110. µg/l 3.8 µg/l 2.9 µg/l 16. µg/l 11. µg/l
SD-02(sediment) Point downstream of storm sewer discharge.	Metals/Cyanide none ≥ 3 × s bkgnd VOCs Acetone	920. μg/l
SD-02D(sediment) Duplicate location of location SD-02.	Metals/Cyanide none ≥ 3 ×'s bkgnd  VOCs Acetone Methyl Ethyl Ketone	1,400 μg/l 95. μg/l

<sup>\*</sup>Not applicable

According to the CT Natural Diversity Database, there are 18 occurrences of Federally Endangered and Threatened Species or species proposed for State Endangered, Threatened or Special Concern within a four mile radius of the site. The Database also provides information concerning protected land features such as woodlands, tidal marsh/mud flats, and dunes, which are commonly found along surface water and coastal areas. The occurrences have been listed in the "AIR" section of this report. (4)

#### SOIL EXPOSURE

The number of workers/people present throughout the entire building presently is estimated at > 100 during a typical work day. The property of the nearest residence abuts the 90 South Park Street property. The residence itself is located adjacent to the southeast extent of the site property at the intersection of Young and Park Street.

The nearest school or day care to the site is located on-site(headstart). The Headstart program is not located in an area previously occupied by Connecticut Cycle Accessories. The Headstart programs currently has an enrollment of approximately 20 students per group, three groups per day, and approximately ten faculty members. There were no areas of observed contamination noted during the

<sup>\*\*</sup>None detected

1991 Screening Site Inspection investigation. None of the present companies are operating in areas of known releases/contamination. There is an estimated population of 8,365 residents living within 1 mile of the site. (4,5,6,8)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. As part of that project, a total of nine (9) samples were collected (which included a duplicate soil sample and a background soil sample) from two (2) locations. A sample summary list is found in Table 1 and the location of each sampling station is found in Figure III. Background sample location for the project is identified as SS-01. (2,6)(Figure 2)

The samples were analyzed for halogenated volatile organic compounds (EPA method 8010), aromatic volatile organic compounds (EPA method 8020), inorganic elements, and cyanide. A stainless steel auger was used to dig the bore holes for all soil samples. The samples were collected from the excavated material (cores) using wooden tongue blades. All soil samples were grab samples. When possible, the entire sample was collected from the same auger core. (2,6)

All samples were labeled and sealed with "chain of custody" tape. The samples were immediately stored on ice and delivered to the analytical laboratory the same day of collection. No other forms of preservatives were necessary. (2,6)

A Photovac Microtip organic vapor meter photoionization detector (PID), a Foxboro flame ionization detector (FID) and an Industrial Scientific, Inc. Model MX-241 combination combustible gas indicator/oxygen (CGI/O<sub>2</sub>) meter were used to monitor the activities at all on-site sampling stations. The PID contained a 10.6 eV lamp and was calibrated to 250 parts per million (ppm) of isobutylene at 1 atmosphere pressure. No readings were reported at any of the sampling locations. (2,6)

The sample which was taken at the SS-02 and SS-02D locations yielded no concentrations above background level. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for volatile organic compounds, metals or cyanide. (2,6)(Figure 2)

Source sampling was not performed as part of the SIP investigation. Sufficient data from previous source sampling events was available for the purposes of this investigation. (6)

The 1994 Reconnaciance of Connecticut Cycle Accessories supports the lack of a potential soil exposure risk. The site remains surrounded by paved roads and parking areas with minor grass cover. (5)

#### AIR

The property of the nearest residence abuts the 90 South Park Street property at the intersection of Park and Young Streets(see Figure 2). The population within four miles of the site is approximately 37,548. (4,5,6,8)

There have been no known air samples taken in the past which would correlate to the site other than the air monitoring performed on-site in 1991 by CT DEP during the Screening Site Inspection investigation. The air monitoring was performed from a health and safety standpoint and was not

meant or used for qualitative contamination identification purposes. Air sampling for the purpose of specific contamination identification was not performed as part of the CT DEP, 1991 sampling objective. Air monitoring instrumentation used during the, 1991 sampling trip included a Photovac, Inc. Micro Tip (HL-200 photoionization detector / PID) with a 10.6 eV lamp and an Industrial Scientific Inc. Combustible Gas Indicator/Oxygen Meter (CGI/O<sub>2</sub> MX-251). No readings were recorded above from background levels. (2,3,6)

There are no wetland areas present on-site. There are no wetlands mapped (USGS Topographic) the 0-1/2 mile radial rings surrounding the site. (4,5,6,8)

According to the CT Natural Diversity Database, there are 18 occurrences of Federally Endangered and Threatened Species and/or species proposed for State Endangered, Threatened or Special Concern within a four mile radius of the site. The Database also provides information concerning protected land features such as wetlands, tidal marsh/mud flats, and dunes, which are commonly found along surface water and coastal areas. The occurrences have been listed below: (4)

#### -NATURAL DIVERSITY-LISTED SPECIES OCCURRING WITHIN A FOUR MILE RADIUS OF CONNECTICUT CYCLE ACCESSORIES

There were no occurrences of Federally Endangered and Threatened Species or species proposed for State Endangered, Threatened or Special Concern within a one mile radial ring from the site.

#### 1 - 2 Mile

COMMON NAME	SCIENTIFIC NAME	STATE/FEDERAL STATUS*
Bog Copper	Lycaena epixanthe	Т
Poor Fen	. <u>2 - 3 Mile</u>	
COMMON NAME	SCIENTIFIC NAME	STATE/FEDERAL STATUS
Dillen-Tick Trefoil	Desmodium glabellum	SC
Trailing-Tick Trefoil	Desmodium humifusum	E C2
Dyr Subacidic Forest		
Southern Bog Lemming	Synaptomys cooperi .	SC
Virginia Copperleaf	Acalypha virginica	SC
•	3 - 4 Mile	
COMMON NAME(#)	SCIENTIFIC NAME	STATE/FEDERAL STATUS'
Disc Gyro	Gyraulus crcumstraitus	SC ·
Indian Paintbrush	Castilleja coccinea	Е
Eastern Hognose Snake(2)	Heterodon platirhinos	SC
Wood Turtle	Clemmys insculpta	SC

Black Spruce	Picea mariana	SC
Homed Lark	Eremophila-alpesiris	
Savannah Sparrow	Passerculus sandwichensis	Т
Red Squirrel	Tamiasciurus hudsonicus	sc
Grasshopper Sparrow	Ammodramus savannarum	E

Acidic Atlantic White Cedar Basin

(#) Total number of occurrences (if greater than one) within distance ring.
\* STATE/FEDERAL STATUS (FIRST ENTRY) = STATE STATUS

SC = State Special Concern

E = State Endangered

T = State Threatened

STATE/FEDERAL STATUS (SECOND ENTRY) = FEDERAL STATUS

C2 = Candidate, Category Nº2

#### SUMMARY AND CONCLUSION

Connecticut Cycle Accessories is located at 90 South Park Street in the town of Windham (Willimantic), Connecticut. The site was entered into the Federal Superfund (CERCLA) Information System (CERCLIS) in 1980 as a result of an EPA 103(c) questionnaire submitted by the company which suggests the existence of a 50,000 ft² "facility" used for hazardous waste. The notification also states that no releases occurred at the site. According to Mr. Turkington, the owner of the site and owner of Connecticut Cycle Accessories, the "50,000 ft² facility" reported in the notification describes the total area of the building in which Connecticut Cycle Accessories was housed. The reason for this conflicting information has not been definitely established. It is entirely possible that the notification filed by the owner was a mistake.

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. Town records state that structures related to Williamntic Industries were in existence at this site since 1890. It is believed that Williamntic Industries was the first company to occupy the 4.5 acre site. A company named Electromotive, purchased the site on 7/20/55. Williamntic Industries and Electromotive shared ownership of the parcel for a short period of time. The present owners, Mark and Philip Turkington have owned this property since 6/29/76, when it was purchased from Electromotive. The Turkingtons also own the Connecticut Cycle Accessories parcel.

A Notice of Violation (NOV-040) dated 11/9/82 was issued to the company citing deficiencies in inspection logs, contingency plans, training records, container management, short term storage, and accumulation time. Based on a subsequent inspection of the facility, the company was found in full compliance with the NOV.

Connecticut Cycle Accessories (RCRA ID No. CTD057236465) was sold to Connectat in February of 1986. The RCRA identification number, the NPDES permit, and sewage discharge permits were all transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. A Negative Declaration (Form I) was filed by Mark Turkington pursuant to Connecticut's "Transfer of Establishment Act". The Form I submittal by Mr. Turkington notified CT DEP that no release had occurred at the site.

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding The plating line consisted of one semi-bright nickel, one bright nickel, and one chrome plating tank. Cleaning line consisted of one soaking tank, one descale tank, and one electric cleaning tank. Other process tanks included a hydrochloric acid tank, four rinse water tanks, and a nitric acid tank. No cyanide was used in their processes. The plating line was contructed of cement and was recessed into the first floor, inside of the building used by Connecticut Cycle Accessories. No floor drains were observed by CT DEP staff in the wood floors of the Connecticut Cycle Accessories building during this investigation.

Waste generated by the company included rinse water (1,000 gal/day) which was generated from the rinsing of parts after they were cleaned with hydrochloric and sulfuric acids, and industrial caustic cleaners in preparation for plating. The rinse water was stored and treated in two 5,000 gallon tanks. Sulfur dioxide was added to reduce hexavalent chromium compounds, then sodium hydroxide was added to raise the pH.

The waste water was then filtered through a Serfilco filter unit and mixed with a poly flocculent to remove any sludge. The filtrate was then discharged to the Willimantic River along with non-contact cooling water which was generated during the welding processes (NPDES permit No. CT0023086, Sewage discharge permit No. DEP/WPC-163-036). Metal hydroxide (from the filters) and spent filter material were stored in drums inside the building and periodically manifested off-site for proper disposal by Envirite Corporation of Thomaston, Connecticut.

During the cleanup of the building by the Turkingtons in 1986, prior to Conncraft's occupancy, 23 drums of cyanide and 3 drums of cadmium were discovered in storage. These chemicals were used by Electromotive, a company that occupied the building prior to Connecticut Cycle Accessories, however, these chemicals were not used by Electromotive at this location. The processes in which Electromotive used cyanide and cadmium were performed at the Electromotive plant #2, located on Bridge Street, Willimantic. It is likely the drums found during the clean up of Connecticut Cycle Accessories had been left there by Electromotive when the company went out of business at both locations.

All of the wastes found at the site during the clean up were characterized and manifested off-site for proper disposal by E.W.R. of Waterbury, Connecticut (CERCLIS No. CTD072138969), and Envirite Corporation of Thomaston, Connecticut (CERCLIS No. CTD093616613).

Hazardous wastes/substances related to other companies located in the building (past and present) include: nitric acid, chromium, nickel sulfate, nickel chloride, sulfuric acid, caustic cleaner, hydrochloric acid, metal hydroxide sludge, and filter paper containing metal hydroxide sludge, methylene chloride, and acetone.

Of the companies previously located on-site, Connecticut Cycle Accessories/Connecraft (12/4/80, large quantity generator), Computer Supply (7/18/80, non-regulated/non-handler), and Polymer Coaters (3/21/83, large quantity generator), are the only RCRA Notifiers of hazardous waste activity. None of the companies identified in the previous list are included in CERCLIS. None of the sites listed above are included on the "CT Inventory of Hazardous Waste Disposal Sites" at this time.

Headstart is a daycare type program located in a section of the building which was not utilized by Connecticut Cycle Accessories. The program manages three groups of children per day, twenty children per group. There is also ten staff members in total. According to all available information, the daycare is not located in an area utilized for past operations involving hazardous wastes.

No groundwater samples were collected during the July, 1994 site investigation. The nearest public water supply well is the Hosmer Mountain Bottling Company, which is located approximately site. The Hosmer Mountain Bottling Co. utilizes an on-site well for their soft drink bottling company. The well is a 180 ft. bedrock well, and the company uses 5,000 - 9,000 gal/day. The company distributes their soft

drinks to the public, thus deeming their water supply a "public" water supply. The nearest private wells are located approximately (b) (9) of the site in the towns of Lebanon and Windham. The site and surrounding area obtain water from the Willimantic Water Works and utilize a municipal sewer system. There are no wellhead protection areas within the study area.

Samples of surface water and river sediment were collected as part of the 1994 CT DEP Site Investigation Prioritization(SIP) investigation. Samples were collected from locations up stream and downstream of the point where the storm sewer system(located along the perimeter of the site) discharges into the Willimantic River. Surface water runoff originating at the site would enter this storm sewer system and ultimately enter the Willimantic River at a point approximately ¾ of a mile northeast of the site. This location would be considered to be the Probable Point of Entry(PPE), however, there is no evidence of a release of a hazardous substance via this pathway. Companies at this site have utilized NPDES permits for surface water discharges.

Sediment samples were collected along the bank of the Willimantic River. The sediment was brown-lightbrown in color, fine-grained and moist, with cobbles dispersed throughout the material. The upstream samples were collected at a location above a waterfall along the Willimantic River approximately 150-200 ft upstream of the storm sewer discharge(PPE). Due to the waterfall, this sample location insures a characteristic background sample and/or possible attribution. The downstream samples were collected at a location below the aforementioned waterfall along the Willimantic River approximately 150-200 ft downstream of the storm sewer discharge(PPE). Several VOCs were present in the background sediment sample. Acetone was detected in all sediment samples and methyl ethyl ketone was present in the background sample and one of the downstream samples. Acetone and methyl ethyl ketone both occur as natural products of biodegradation. No metals were detected in the surface water samples at levels  $\geq 3 \times 10^{-10}$  s the background sample. No cyanide was detected in any of the samples.

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ACCOUNT NO.

INFORMATION

MISC. WILLIMANTIC RIVER

WILLIMANTIC

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Dept. of Public Health and Ad
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689

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P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063

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MISC. WILLIMANTIC RIVER

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STATE OF CONNECTICUT
Dept. of Public Health and Add on Service
Bureau of Laboratories on Services

10 Clinton St.

P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063

ACCESSION NO. ACCOUNT NO. AGE S PAC 16100416 SW 020 A00106 INFORMATION

> MISC. WILLIMANTIC RIVER

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## STATE OF CONNECTICUT

Dept. of Public Health and Addition Services
Bureau of Laboratories
10 Clinton St.

P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063 I.D. ACC SIDN NO. ACCOUNT NO. AGE S

SH-01 22165293 A00106 0

HISC'.

WILLIMANTIC RIVER

WILLIMANTIC

DEP SRD FED. PRE-REMEDIAL "
79 ELM STREET "

HARTFORD

CT 36105

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 08/04/94
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Dept. of Public Health and Addition Services Bureau of Laboratories 10 Clinton St. -- .

P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063

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WILLIMANTIC RIVER".

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WILLIMANTIC

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Dept. of Public Health and Add on Services
Bureau of Laboratories

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79 ELMI STREET

HARTEORD

DEP SRD FED PRE-REMEDIAL

CT 36105 :

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Bureau of Laboratories 10 Clinton St. P.O. Box 1689 Hartford, CT 06144

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ACCESSION NO.

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STATE OF CONNECTICUT Dept. of Public Health and Ad on Services

Bureau of Laboratories 10 Clinton St. P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063

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79 ELMI STREET

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ACCESSION NO. I.D. 22165295 SW-020

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Bureau of Laboratories
10 Clinton St.

P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063 SD-C1 1610U-11 A00106 0 PAGE S INFORMATION

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DEP-SRD FED. PRE-REMEDIAL 79 ELM. STREET

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#### STATE OF CONNECTICUT

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TELEPHONE: (203) 566-5063

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ACCESSION NO.

A00106

INFORMATION

ACCOUNT NO.

SEDIM. WILLIMANTIC RIVER

WILLIMANTIC

DEP-SRD FED. PRE\_REMEDIAL 79 ELM STREET Single Committee of

COLLECTED RECEIVED REPORTED 08/04/94 08/05/94 08/24/9 00:00 12:58 12:42

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#### STATE OF CONNECTICUT

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ACCESSION NO. ACCOUNT NO. AGE S 16100413 50-025 A00106 INFORMATION

> MISC. : WILLIMANTIC RIVER

WILLIMANTIC

DEP-SRD FED. PRE-REMEDIAL 79 ELMI STREET

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STATE OF CONNECTICUT

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WILLIMANTIC RIVER

WILLIMANTIC

DEP-SRD FED. PRE-REMEDIAL 79 ELM: STREET

HARTFORD" .

CT 36105

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STATE OF CONNECTICUT

Bureau of Laboratories Dept. of Public Health and A ion Services 10 Clinton St. P.O. Box 1689 Hartford, CT 06144

TELEPHONE: (203) 566-5063

LD. ACCESSION NO. S0-02 22100291

MISC.

WILLIMANTIC RIVER

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INFORMATION

ACCOUNT NO. AGE S

12:50

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DEP-SRD FED. PRE-REMEDIAL 79 ELM STREET

- HARTFORD

CT 36106

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STATE OF CONNECTICUT

Dept. of Public Health and Ad Bureau of Laboratories 10 Clinton St. P.O. Box 1689

Hartford, CT 06144 TELEPHONE: (203) 566-5063

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WILLIMANTIC

DEP SRD FED. PRE-REMEDIAL 79 ELM: STREET

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#### ATTACHMENT A

## CONNECTICUT CYCLE ACCESSORIES, WILLIMANTIC, CONNECTICUT

NPDES PERMITS/RELATED CORRESPONDENCE



## STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

NPDES PERMIT - 1954

89 JANAMONTIC

Connecticut Cycle Accessories, Inc. South Park Street Willimantic, CT 06226

Attention: Mr. Mark Turkington

Re: DEP/WPC-163-036

Town of Windham

Willimantic River Watershed

#### Gentlemen:

This permit and order are authorized to be issued by Chapter 446k, Connecticut General Statutes and Section 402 (b), Federal Water Pollution Control Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.

Your reapplication, filed with the Connecticut Department of Environmental Protection on April 30, 1984, has been reviewed by the Connecticut Department of Environmental Protection.

The Commissioner has determined that compliance with the terms and conditions of this permit will insure that the applicable effluent standards or limitations issued or approved under Sections 301 (b)(2)(c) and (D), 304 (b)(4), and 307 (a) (2) of the Act that the treatment facilities constitute best available technology economically achievable are being attained.

The Commissioner of Environmental Protection (hereinafter "the Commissioner") hereby finds that Connecticut Cycle Accessories, Inc. is maintaining a facility described in the above-referenced application which no longer insures or adequately protects against pollution of the waters of the state under the provisions of Chapter 446k of the Connecticut General Statutes.

The Commissioner, acting under Sections 22a-431 and 22a-430 hereby orders Connecticut Cycle Accessories, Inc. to take such action as is necessary to:

- 1) Insure that all wastewaters described in the above referenced application are collected, treated and discharged in accordance with the plans and specifications approved by the Commissioner on April 27, 1978 together with associated engineering documents, correspondence and other data submitted to comply or obtained to verify compliance with the permit issued by the Commissioner on June 2, 1978 and/or discharged in accordance with this order.
- 2) Insure that all discharges described in this order shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein.

Phone:

A) Discharge Serial No. 001
Description - Treated metal finishing wastewater (code 1 01 035 Y)
Receiving Stream - Willimantic River (basin code 3100)
Present/Future Water Quality Classification - Bc/Bc
Average Daily Flow - 1,000 gallons per day

Parameter	<u>Code</u>	Average Monthly Concentration	Maximum Daily Concentration
Chromium, Hexavalent	108	0.1 mg/l	0.5 mg/l
Chromium, Total	109	1.0 mg/l	3.0 mg/l
Iron	113	3.0 mg/l	5.0 mg/l
Nickel	119	1.0 mg/l	3.0 mg/l
Total Suspended Solids	614	20.0 mg/l	30.0 mg/i
Total Toxic Organics	628	0.5 mg/l	1.0 mg/l

- 1) The pH of the discharge shall not be less than 6.0 or greater than 9.0. (code 609)
- 2) The discharge shall not contain a visible oil sheen, foam or floating solids.
- 3) The discharge shall not cause visible discoloration of the receiving waters. Beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.
- 4) The temperature of the discharge shall not increase the temperature of the receiving stream above 85 degrees F or raise the normal temperature of the receiving stream more than 4 degrees.
- 5) The maximum daily concentration shall not be exceeded by a factor of 1.5 at any time.
- B) Discharge Serial No. 002 Description - Non-contact cooling water (code 1 02 000 N) Receiving Stream - Willimantic River (basin code 3100) Present/Future Water Quality Standard - Bc/Bc Average Daily Flow - 500 gallons per day Maximum Temperature - 90 degrees F
  - 1) The pH of the discharge shall not be less than 6.0 or greater than 9.0. (code 609)
  - The discharge shall not contain a visible oil sheen, foam or floating solids.
  - 3) The discharge shall not cause visible discoloration of the receiving waters beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.

- 4) The temperature of the discharge shall notincrease the temperature of the receiving stream above 85 degrees F or raise the normal temperature of the receiving stream more than 4 degrees F beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.
- 3) This permit authorizes the discharge of wastewaters as described in paragraph 2 above and in the permit application submitted by Connecticut Cycle Accessories on April 30, 1984. The discharge of any such pollutants in quantities or concentrations greater than those so authorized, or the discharge of any other pollutant in a quantity of concentration which has or may have an adverse impact on the receiving waters is prohibited.
- 4) The discharges shall be monitored and results reported to the Director of Water Compliance by the 10th of each month according to the following schedule:
  - A) Discharge Serial No. 001

<u>Code</u>	Minimum Frequency of Sampling	Sample Type
108 109 113 119 614	Bi-weekly Bi-weekly Bi-weekly Bi-weekly Bi-weekly Bi-weekly	Composite Composite Composite Composite Composite Composite Composite
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- 1) Record the total flow and hours of discharge for each day of sample collection.
- 2) The report shall include a detailed explanation of any violations of the limitations specified in paragraph 2 above.
- B) Discharge Serial No. 002

Parameter	<u>Code</u>	Minimum Frequency of Sampling	Sample Type
Temperature pH	609	Quarterly	Grab
Pii	609		

- 1) Record the instantaneous flow at the time of grab sample collection.
- 5) The treatment facilities or any part thereof shall not be bypassed at any time without the prior writter approval of the Commissioner unless such bypass is unavoidable to prevent loss of life, personal injury or severe property damage. If any part of the waste treatment facilities becomes inoperable at any time, the Water Compliance Unit shall be notified immediately during normal business hours (8:30 a.m. to 4:30 p.m. Monday through Friday), or on the next business day if the incident occurs outside these hours. A written report shall follow, within 72 hours giving the cause of the problem, duration and corrective measures taken.

- 6) The dispose of scatterings, sludges and other solid or oils and other liquid chemicals shall be at locations approved in accordance with the provisions of Chapter 446k and/or Chapter 36la of the Connecticut General Statutes or to waste haulers licensed under Chapter 446k of the Connecticut General Statutes.
- 7) Process controls or such other means or facilities as approved by the Commissioner on April 27, 1984 shall be maintained to insure that no discharge of untreated or partially treated wastewaters will occur during a failure of the primary power source.
- 9) On or before November 30,1984 verify to the Commissioner that compliance with paragraph 1 is being achieved and that the provisions of paragraphs 2, 3, 4, 5, 6 and 7 will be complied with.
- 10) On or before November 30, 1984 and monthly thereafter submit to the Director of Water Compliance all detailed monitoring data required under the provisions of paragraph 4 above.

Connecticut Cycle Accessories, Inc. is further ordered to accomplish the above-described program, except as may be revised by the recommendations of a detailed engineering study and agreed to by the Commissioner in accordance with the following schedule:

- A) On or before December 31, 1984, submit for the review and approval of the Commissioner an engineering report which shall include the following information:
  - A description of additional treatment facilities and/or alterations in operating procedures as may be required to assure compliance with the specific terms of paragraph 2 above and/or any applicable Federal and/or State guidelines which may be promulgated subsequent to the issuance of this permit.
  - 2) A description of the origin of the oxygen demanding characteristics of discharge serial number 001 and remedial actions necessary to reduce such oxygen demand to an acceptable level.
  - 3) A description of present sludge disposal practices, including the quantity generated, means of drying, ultimate disposal site, and waste hauler (if appropriate).
  - 4) A comprehensive evaluation of all operation and maintenance procedures incuding but not limited to the following: manpower requirements, operator training, equipment maintenance schedules, treatment chemical inventory practices, operational monitoring and recordkeeping procedures.
  - 5) The means by which propoer sampling, preservation, analysis and flow measurement of the discharges will be assured.
- B) On or before February 28, 1985, submit for the review and approval of the Commissioner construction plnas and specifications accompanied by a summary basis of design for such additional treatment facilities.

- C) On or before pril 30, 1985, verify to the Commissioner that the construction of such additional treatment facilities has been started.
- D) On or before June 30, 1985 verify to the Commissioner that such additional treatment facilities have been placed in operation.

This order shall be considered as the permit required by Section 402 of the Federal Water Pollution Control Act and shall expire on October 5, 1989.

This order shall be subject to all the NPDES General Conditions dated April 27, 1979 which are hereby incorporated into this order.

Upon verification of full compliance with this order, a letter acknowledging this order to be equivalent of a permit issued under Section 22a-430 and/or a revised NPDES permit will be issued.

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act if the effluent standard or limitation so issued or approved:

- Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- 2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

Entered as an order of the Commissioner on October 5, 1984.

Stanley J. Pac COMMISSIONER

Order No. 3782 NPDES No. CT 0023086 Application No. 84-083



# SEATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

HARTFORD, CONNECTICUT 06115



NPDES PERMIT

83

Connecticut Cycle Accessories, Inc. South Park Street Willimantic, Connecticut 06226

STATE OFFICE BUILDING

Attention: Mr. Mark Turkington

President

Re: DEP/WPC-163-036
Town of Windham
Willimantic River Watershed

#### Gentlemen:

This permit is authorized to be issued by Chapter 474a, Connecticut General Statutes and Section 402(b), Federal Water Pollution Control Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.

The Commissioner of Environmental Protection (hereinafter "the Commissioner") has found that the system installed for the treatment of the discharge will protect the waters of the state from pollution.

The Commissioner, acting under Section 25-54i, hereby permits Connecticut Cycle Accessories, Inc. to discharge 5,000 gallons per day of treated metal finishing wastewater to the Willimantic River in accordance with the following conditions:

- 1) The wastewaters shall be collected, treated and discharged in accordance with the plans and specifications approved by the Commissioner on April 27, 1978.
- 2) The discharge described in this permit shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein:
  - A) Discharge Serial No. 001

    Receiving Stream Willimantic River 1978

    Average Daily Flow 5,000 gallons per day

Parameter	Average Daily <u>Quantity</u>	Maximum Daily  Quantity	Average Daily Concentration
Iron	0.019 kg/day	0.038 kg/day	).O mo/]
Nickel	0.019 kg/day	0.038 kg/day	1.0 mg/1
Hexavalent Chromium	0.002 kg/day	0.004 kg/day	0.1 mg/1
Total Chromium	0.019 kg/day	0.038 kg/day	1.0 mg/l
Suspended Solids	0.379 kg/day	0.758 kg/day	20.0 mg/l

- The pH of the discharge shall not be less than 7.0 nor greater than 9.0.
- 2) The discharge shall not contain a visible oil sheen, foam or floating solids.
- The discharge shall not contain more than 0.1 milliliters per liter settleable solids.
- 4) The discharge shall not cause visible discoloration of the receiving waters.
- 5) The average daily concentrations specified above shall not be exceeded by more than a factor of 2.0 during any four hour period.
- 3) Not discharge any new pollutant not authorized by this permit which has or may have an adverse impact on the receiving waters.
- 4) The discharge shall be monitored and results reported to the Director of Water Compliance and Hazardous Substances by the 10th of each month according to the following schedule:
  - A) Discharge Serial No. 001

Minimum Frequency		
of Sampling	Sample Type	
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- 1) Record the total flow during the period of composite sample collection.
- 5) The treatment facilities shall not be bypassed at any time.

- 6) The disposal of screenings, sludges and other solids or oils and other liquid chemical wastes shall be at locations approved in accordance with the provisions of Chapter 474a and/or Chapter 361a of the Connecticut General Statutes or to waste haulers licensed under Chapter 474a of the Connecticut General Statutes.
- 7) Process controls or such other means or facilities as approved by the Commissioner on April 27, 1978 shall be maintained to insure that no discharge of untroated or partially treated wastewater will occur during a failure of the primary power source.

This permit shall be considered as the permit required by Section 402 of the Federal Water Pollution Control Act and Section 25-54i of the Connecticut General Statutes and shall expire on June 2, 1983.

The permit shall be subject to all the NPDES General Conditions dated December 27, 1974 which are hereby incorporated into this permit.

Entered as a permit of the Commissioner the 2nd day of June , 1978.

Stanley J. Pac COMMISSIONER

NPDES No. CT0023086

cc: Consulting Environmental Engineers ATTN: Mr. William Williams



South Park St. Willimantic, Connecticut (6226 (203) 423-1611

July 15, 1981

Kevin Marquis Conn. Dept. of Environmental Protection 122 Washington St. Hartford, CM. 06115

Re: Fermit violations sample 12-17-80 Written explanation required

Concerning permit violations of our acid/caustle rinse water collected 12-15-80, with over-concentrations of mickel (2.7 mg/liter) and iron (9.2 mg/liter).

July Committee to Buch

Clarke - 111 . Than

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As explained to you in our recent telephone conversation, the sample showing an over-concentration of nickel was taken before we made changes in this system to eliminate nickel contamination. Please refer to my letter of 2-25-81 addressed to Wesley Winterbottom explaining the modifications made to the system.

The second violation, regarding a sample showing high iron concentration (9.2 mg/liter), I found quite baffeling. Occasionally the iron concentration in this system is high even though no changer have been made in the process in which this water is used. The only variable in the system is the fact that the source of the water is a well, which may be a contributing factor. I have taken the following steps in an attempt to correct the problem. First, I have obtained a portable iron test kit to test the water entering and leaving the system. Next, the him used to settle out iron was thoroughly cleaned and modifications were made to the piping into the bir to minimize water movement, thus promoting a better settlement action. Closer monitoring of the water discharge and modifications in metalement of iron should bring us back into permit perameters.

Hopefully, this letter answers all your questions on actions taken by Connecticut Cycle Accessories to comply with our permit requirements.

Robert Rollins

Plating Dept. Supervisor

RR/kmc

#### ATTACHMENT B

### CONNECTICUT CYCLE ACCESSORIES WILLIMANTIC, CONNECTICUT

EPA NOTIFICATION/103(C) FORM



EPA



#### ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE A NVITY (VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes: on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA: on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

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<u> </u>	WS 208 E 27 5 UPER Y 1502 1	2013 1423 1611
V. OWNERSHIP		
	A. HAME OF INSTALLATION'S LEGAL OWNER	
Siconn	CYCLE ACCESORJES INC	
., ., .		
tenter ine esprope	OWNERS INTO BOS VI. TYPE OF HAZARDOUS WASTE ACTIVITY (ent	
F - FEDERA	1 1 <del>-</del>	ANSFORTATION (complete Item VII)
M - NON-FE		NDERGROUND INJECTION
MI MODE OF	TRANSPORTATION (transporters only - enter "X" in the appropriate be	Wall The San Harris and San Market
니 니^.^!*	☐ B. RAIL ☐ C. HIGHWAY ☐ D. WATER ☐ E. OTHER	(ipecl(y):
VIII. FIRST OR	SUBSEQUENT NOTIFICATION	
Mark "X" in the ex	propriete box to Indicate whether this is your installation's first notification of hazar	dow waits activity or a subsequent notification.
If this is not your	lint notification, enter your Installation's EPA I.D. Number in the space provided bel	Dw.
		C. INSTALLATION'S EPA I.C. NO.
RIA. FIRS	T NOTIFICATION . B. SUBSEQUENT NOTIFICATION (complete flem	c)
	ON OF HAZARDOUS WASTES	
	verse of this form and provide the requested information.	
=54 Epim 870(r:	2 (6.80)	CONTINUE ON REVERSE

WASTES FROM SPECIFIC SOURCES. Error the four-digit numbers om 40 CFR Part 261,31 for each listed haza	
	roous
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ANDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-diplt number from 40 CFR Part 261.32 for each listed hazardous of the second	<u> </u>
industrial sources your Installation handles. Use additional sheets If necessary.	*831E 11011
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C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four—digit number from 40 CFR Part 261,33 for each chemical processory.	cal sub-
	1
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42 44 45 46 47 41	]
	_
D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous wasta from hospitals,	
hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.	veterinary
49 30 21 52 23 34	1
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B 10 11 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	
E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" In the boxes corresponding to the characteristics of non-list hazardous wastes your installation handles. (See 40 CFR Parts 261:21 – 261:24.)	ted
[D001] [D002] [D002] [D000]	
X. CERTIFICATION TO THE STATE OF THE STATE O	ASSESS OF THE PARTY OF THE PART
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information that the submitted information is a submitted in formation to the information of the submitted information to the information of the submitted information to the submitted information to the submitted information to the submitted in this submitted in this submitted in the submitted in the submitted in the submitted in this submitted in this submitted in this submitted in the submitted in this submitted in the submitted in this submitted in the submitted i	and all
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SIGNATURE	
including the possibility of fine and imprisonment.	D

EPA Form 8700-12 (6-80) REVERSE

Hazardous Materials Management Unit

This initial notification information is additional space, use separate sheets of required by Section 103(c) of the Comprehensive Environmental Response, Compen- paper, Indicate the letter of the item sation, and Liability Act of 1980 and must which applies. se mailed by June 9, 1981 Person Required to Notify: Vecto Acresories Enter the name and address of the person or organization required to notify. State ( Site Location: Enter the common name (if known) and actual location of the site. Strect State County -בנו סייוני Name (Last, First and Title;" Enter the name, title (if applicable), and business telephone number of the person Phone to contact regarding information submitted on this form. Dates of Waste Handling: Enter the years that you estimate waste From (Year) treatment, storage, or disposal began and ended at the site. Waste Type: Choose the option you prefer to complete Option 2: This option is available to persons familiar with the Option I: Select general waste types and source categories. If Resource Conservation and Recovery Act (RCRA) Section 3001 you do not know the general waste types or sources, you are regulations (40 CFR Part 261). encouraged to describe the site in Item I-Description of Site. Specific Type of Waste: Source of Waste: General Type of Waste: EPA has assigned a four-digit number to each hazardous waste Place an X in the appropriate Place an X in the appropriate listed in the regulations under Section 3001 of RCRA. Enter the boxes. The categories listed boxes. appropriate four-digit number in the boxes provided. A copy of overlap. Check each applicable the list of hazardous wastes and codes can be obtained by category. contacting the EPA Region serving the State in which the site is located. 1. 🗆 Mining 1. D Organics 2: D Construction 2. Inorganics F006 3. D Textiles 3. 

Solvents 4. D Fertilizer 4. D Pesticides 5. D Paper/Printing 5. D Heavy metals 6. D Acids 6. D'Leather Tanning 7. D Iron/Steel Foundry 7. D Bases 8. D Chemical, General 8. D PCBs 9. D Plating/Polishing 9. 

Mixed Municipal Waste 10. D Military/Ammunition 10. D Unknown 11. D Electrical Conductors 11. D Other (Specify) 12. D Transformers 13. 

Utility Companies 14. C Sanitary/Refuse RECEIVED 15. D Photofinish 16. D Lab/Hospital OCT 3 O 1989 17. D Unknown

18. G Other (Specify)

Form Approved OMB No., 2000-0138 ED4 5000 0000.1

Please type or print in ink, If you need

	Place an X in the appropriate boxes to indicate the facility types found at 100 site	1. 2 Piles 2. D Land Treatment	cubic feet	ste Amount	
	in the "total facility waste amount pace	3. D Landfill	sations 55	500	
	give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.	4. D Tanks 5. D Impoundment	Total Facility Are		
	In the "total facility area" space, owe the estimated area size which the facilities occupy using square feet or acres.	6. D Underground Injection 7. D Drums, Above Ground 8. D Drums, Below Ground 9. D Other (Specify)	nores	<u> </u>	
_					
G	Known, Suspected or Likely Release				
	Place an X in the appropriate boxes to indi- or likely releases of wastes to the environr	nent.		cred D Likely (F. Non	
	Note: Items Hand Lare optional. Complet hazardous waste sites. Although complet	ing these fiems will assist EPA and State and ing the nems is not required, you are encous	l local governments aged to do so.	in locating and assessing	
Н	Sketch Map of Site Location: (Optio	nal)			
	Sketch a map showing structs, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.				
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	·	•			
1	Description of Site: (Optional)				
	Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from Provide any other information or comments which may help describe the site conditions.				
		•			
		•		•	
1	Signature and Title:				
	The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional Check the boxes which best describe the relationship to the site of the person required to notify check. "Other"	Since SO. PARK ST.  Cay Williamanific Share C+  Significant Signif	7 no Conta OG 226	Owner, Present Owner, Past Transporter Operator, Present Operator, Past Other	

icial Facility Waste Amount

#### ATTACHMENT C

### CONNECTICUT CYCLE ACCESSORIES WILLIMANTIC, CONNECTICUT

CT DEP RCRA NOV Nº0040

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANAGEMENT SECTION



Nove	mber 9, 1982
Date	
NOT1CE	OF VIOLATION
NV No.	0040
DEP/HW	No.

Mr. Robert Rollins, Plating Department Supervisor Connecticut Cycle Accessories, Inc. South Park Street Willimantic, CT 06226

Dear Mr. Rollins:

D	uri	ng oi	ur ins	pecti	ion o	n 5/7/82	& 5	/10/82						
าราก	Vic	olat	ion of	Conr	necti	CHIT'S NO	2 2 20 0		<del></del> .''	was	noted	that	your	company
fore,	we	are	enc lo	sing	the	following	1 for	us was	ste man	agem	ent ke	gulati	ons.	There-
				•	• • • •		, 101	your	mmeal	ate	attent	ion an	d act	ion:

- 1) Notice of Violation NV No. \_\_\_\_\_0040
- 2) a copy of our Inspection Report, dated 5/7/82 & 5/10/82; and
- 3) a copy of the Connecticut Hazardous Waste Management Regulations.

Should you have any questions, please contact Glenn A. Goldsmith at 566-4869/5712.

Very truly yours

Stephen W. Hitchcock

Director

Hazardous Materials Management Unit

SWH:GAG:et enclosures:

Phone:

State Office Building, Hartford, Connecticut 06716/ 06106

An Equal Opportunity Employer



### STATE OF CONNECTION

DEPARTMENT OF ENVIRONMENTA PROTECTION
HAZARDOUS WASTE MANAGEMENT SECTION



Notice of Violation

71.	0040	DEP/HW No.
''	D: Connecticut Cycle Acces	sories, Inc.
	South Park St. Willimantic, CT 06226	Attention: Robert Rollins, Plating Dept. Supr.
ou are	e hereby notified of violat	tion(s) of State Regulations and/or Statutes regarding hazardo
indust	rial waste management (refe	erenced below). ter receipt of the Notice, you must correct the violation(s) s
as to	Sixty (60) days aft comply with the specified	Regulations and/or Statutes, and also
	SUBMIT IN WRITING to the -	Enforcement Group Hazardous Waste Management Section
		Department of Environmental Protection
		165 Capitol Avenue
the de	tails of the specific corr	Hartford, Connecticut 06106 ective action you HAVE taken which resulted in compliance.
Failur	e to do so will require us	to issue a State Order. Please be advised that intentional subject to criminal penalties under State and Federal laws.
	the state of the s	s about this NOTICE before the end of the period specified
above.	If you do not initiate s	uch a conference within that period, you shall be considered
to hav	e waived this opportunity. 169/5712 regarding any ques	Please contact the Hazardous Waste Management Section at
	105/5/12 regulating any ques	1. W. Hitchesel 11/9/82
		Stephen W. Hitchcock Date
		Hazardous Materials Management Unit
-Ø) =	ding: Vi	olation(s) of State Regulation(s) and/or Statute(s); Section(s
2	Inspection Log Personnel Training Record	25-54cc(c)-28 s -29
3.	Contingency Plan	-31
4. 5.	Use and Management of Con Short-term Storage and Ac	
J.		conditation in the
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Copies	s of these Regulations and	Statutes are available for your reference in our office.
		RETURN OF SERVICE
A copy	y of the foregoing NOTICE v	was submitted to the above-named as indicated below:
( )	Personally delivered to	on
( _ )		al place of business or residence. RegistrationNo. P 304 126 0
		hone:
_		State Office Building, Hartford, Connecticut 06115



## STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



December 19, 1986

THE NAME:	(.	
TOWN.		
10111		
HL	/	

Connecticut Cycle Accessories South Park Street Willimantic, CT 06226

RE: NOTICE OF VIOLATION NO. 0040

Dear Mr. Ziolkowski:

Based upon an inspection at your facility on November 5, 1986, the Department has verified that the facility is in compliance with all applicable Hazardous Waste Management Regulations.

This letter is to therefore acknowledge full compliance with NOV No. 0040 entered on November 9, 1982.

Your attention is drawn to the fact that the facility must be operated and maintained properly and is subject to the provisions of Section 22a-449 of the Connecticut General Statutes.

Very truly yours,

Stephen W. Hitchcock

Director

Hazardous Materials Management Unit

SWH:SMS:kal

Phone

#### ATTACHMENT D

### CONNECTICUT CYCLE ACCESSORIES WILLIMANTIC, CONNECTICUT

#### CT DEP SOIL SAMPLE RESULTS 8/15/91

- · SOIL VOLATILE ORGANIC COMPOUNDS.
- · SOIL INORGANICS.
  - SOIL CYANIDE.

#### SITE REMEDIATION AND CLOSURE DIVISION

WASTE MANAGEMENT BUREAU CHAIN OF CUSTODY RECORD TEL: (203) 566-7202

18-20 TRINITY STREET, HARTFORD 91 AUG 15 PH 2: 24 SAKIPLE TYPE Project Name Piol 110. COL MOLFADO J NOTFATZ SIA NO DATE 1111 8/15/91 11/00 8313 58-01 89576 i BBL 10:3018316 55-02 Blist 91 336 55-020 10328319 89578 8/15/1 Acceived Date/Time Relinquished by: (Signature) Received by (Sygnature) Date/Time Relinquished by: (5-pasture) 15.00114111 Neceived Relinguished by Date/Time (Significat) Date/fime (Signiture) Relinquished by [Signature] 15.0011011 fleceived for Laboratory by Date/Time Remarks Date/Time Relinquished by of posterer

Enforcement samples, no information will be released prior to disposition of case.

### LABORATORY DIVISIC STH FLOOR

HAMEORD

05105

P.O. BOX 1689, HARTFORD, CT 06101

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SAMPLE

#### SAMPLES OF SEWAGE OR TRADE WASTE

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OL-33 Rev. 10-82





STATE OF CONNECTICUT
Department of Healt Prvices
Laboratory Division 10 Clinton St.

P.O. Box 1689 --Hartford, CT 06144: TELEPHONE: (203) 566-5063

TRADE WASTE

DEP-SRD FED PRE-REMEDIAL

165 CAPITAL AVE.

HARTFORD CT 06106

LD.	ACT SIDN NO.	ACCOUNT NO.			ROUTE	97.
NR:3313	16089576	A00106	,	7		
		INFORMATION				

WILLIMANTIC CT.CYCLE ACCESSORIES

WILLIMANTIC ...

COLLECTED	RECEIVED	REPORTED
08/15/91	08/15/91	08/20/9
11:00	14:24	09:36

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STATE OF CONNECTICUT
Department of Health rvices

10 Clinton St. P.O. Box 1689

Hartford, CT-06144

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TION NO.

A00106

ACCOUNT NO.

ROUTE

INFORMATION

TRADE WASTE

TELEPHONE: (203) 566-5063

DEPESRO FED. PRE-REMEDIAL. :165 CAPITAL AVE.

HARTFORD CT 06106

WILLIMANTIC CT.CYCLE ACCESSORIES.

WILLIMANTIC

COLLECTED RECEIVED REPORTED 08/15/91 08/15/91 08/20/9 10:30 14:24 - 09:36

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STATE OF CONNECTICUT
Department of Health vices

Laboratory Division -----P.O. Box 1689 ... 10 Clinton St.

Hartford, CT 06144 TELEPHONE: (203) 566-5063

TRADE. WASTE DEP-SRD FED PRE-REMEDIAL . 165 CAPITAL AVEL

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HARTFORD \_\_\_\_ CT 06106

ACCOUNT NO. · NR:8319 --16089578:--: A00106:

INFORMATION

WILLIMANTIC CT.CYCLE ACCESSORIES

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10:30	14:24	09:36
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SITE REMEDIATION AND CLOSURE DIVISION

CHAIN OF CUSTODY RECORD AUG 15

TEL: (203) 566-7202

18-20 TRINITY STREET, MARTFORD

Pioj 110. Project Name SAKIPLE TYPE CONBOSTI CONTO CAND CHINGITO WILL SAMPLERS: ISIPANION Thank Perin COL STA NO DATE STATION LOCATION 24177 18/18/91 11:00 123/14 55-01. VLITU PASTIC 10:2018317 55-02 lure Plastic 24178 81391 10:30 8320 . 55-020 1/ LITUPIASTIC 8/15/41 11:00 8315 35-01 BBL 24178 10:30 8318 35-07 BBL 8/19/1/0130 8321 55-03V BBL Relinquished by: (Signatur Date/Time Received by (Signature) Relinquished by: (Signatura) Date/Time fleceived 15-9-21-11 8/15/1/10129 (Signature) Relinquished by Date/Time Relinquished by Date/Time Received 15 postures (Signature) 13.90110-01 Received for Laboratory by Date/Time Date/Time Relinquished by 11 : natural Remarks :Signalura)

Enforcement samples, no information will be released prior to disposition of case.

#### SITE REMEDIATION AND CLOSURE DIVISION

WASTE MANAGEMENT BUREAU

18-20 TRINITY STREET, HARTFORD

TEL: (203) 566-7202 CHAIN OF CUSTODY RECORD AUG 15

Pioj 140. Project Name SANTEL TYPE COL 1-67 1-15 HOLLADOT HICHALS DATE 51A 40 i/ciru PASTIC 55-01. 8/19/11/02/8314 ilureplasize 8/13/1 55-02 10:3018317 1/ LITUPIASTIC 81111 10:30 8320 .55-021 BBC 8/15/91 11:00 8315 55-01 BBC 10:30 8318 55-02 BBL (0:30 832) Date/Time Referred by 15 graines Relinquished by: (5-garders) Date/Time Received Relinquished by: (Signature 15-0-110101 8/15/91 (Significate) Date/fime Relinguished by Date/Time Necewed Relinquished by [Signeture] 13.gnaluer1 15.gailves) Received for Laboratory by Oate/Time Date/Time Remarks Relinquistied by "1 shatore S.pnatures

Enforcement samples, no information will be released prior to disposition of case.

A00106

SAMPLE

INVOICE

### SAMPLES OF SEWAGE OR TRADE WASTE 91 AUG 15 PH 2: 29

Name of trea	, 51	//A				
Owned by		Illia Turu	Ington	· · · · · · · · · · · · · · · · · · ·		
Plant process	ses or treatment	·				
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Report to 7	,	R. News/14	Shipped on			
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175-7	8320	5011	55-020			10130
· · · · · ·						
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			-			

superfund metals

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P.O. BOX 1685, HARTFORD, CT 06101

A00106

SAMPLE

INVOICE

#### SAMPLES OF SEWAGE OR TRADE WASTE

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,			,		,	
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Report to 7	Ponas 1	R. Neville	Shipped or			
Laboratory Number	Collector's Number	Sample of	Collected From	Yes or No	oosite Min, Apart	Time of Collection
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179-7	8321	5011	55-03			10:30
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·			13 BB			
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STATE OF CONNECTICUT
Department of Health rvices - Laboratory Division

10 Clinton St. P.O. Box 1689 Hartford, CT 06144 TELEPHONE: (203) 566-5063

FMISC. DEP-SRD FED. PRE-REMEDIAL 165 CAPITAL AVE.

HARTFORD 

CT 06106

ACC" "HON NO. ACCOUNT NO. ROUTEPA ... 22124177 A00156 NR:8314/5

INFORMATION

WILLIMANTIC CT.CYCLE ACCESSORIES

WILLIMANTIC

COLLECTED RECEIVED REPORTED 08/15/91 08/15/91 09/13/9 11:00 14:29 13:06

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HARTFORD

#### STATE OF CONNECTICUT

Department of Healt rvices Laboratory Division 10 Clinton St. P.O. Box 1689

Hartford, CT 06144 TELEPHONE: (203) 566-5063

MISC. DEP-SRD FED. PRE-REMEDIAL 1165 CAPITAL AVE.

06106

LD. SION NO. ACCOUNT NO. ROUTEP NR:8317,8 22724178 A00136

INFORMATION

WILLIMANTIC CT.CYCLE ACCESSORIES

WILLIMANTIC

COLLECTED RECEIVED REPORTED 09/13/ 08/15/91 08/15/91 10:30 14:29 13:05

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#### STATE OF CONNECTICUT

Department of Healt rvices Laboratory Division 10 Clinton St.

P.O. Box 1689 : .... Hartford, CT 06144 TELEPHONE: (203) 566-5063

FMISC. · DEP-SRD FED. PRE-REMEDIAL

165 CAPITAL AVE.

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I.D. ACCOUNT NO. ROUTE : 22124179 NR:8320/1. A00106 ..... INFORMATION

> WILLIMANTIC " CT.CYCLE ACCESSORIES

WILLIMANTIC

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#### ATTACHMENT E

### CONNECTICUT CYCLE ACCESSORIES WILLIMANTIC, CONNECTICUT

POPULATION FIGURES AND CALCULATIONS/ WATER DEPARTMENT INFORMATION

#### POPULATION CALCULATIONS

Distance Ring	Town	Miles <sup>2</sup> Within Distance Ring	Persons Per Mile <sup>2</sup>	Pop. Per Distance Ring, Per Town	Total Pop.
0-1/4	Willimantic	0.196	3,351.4	656.8	657
- 14-1/2	Willimantic	0.589	3,351.4	1,973.9	1,974
1/2-1	Willimantic Windham Lebanon	1.607 *3.25 per/house *2.50 per house	5,385.7 *35 houses *94 houses	5,385 113.7 235.0	5,734
1-2	Willimantic Windham Lebanon Mansfield	1.8 3.7 3.4 0.9	3,351 813.2 111.7 474.2	6032 3,008 380 427	9,862
2-3	Windham Lebanon Mansfield Columbia Coventry	5.3 4.6 3.12 1.6 *3.14 per house	813.2 111.7 474.2 210.7 *9 houses	4,310 514 1,480 337 28	6,669
3-4	Windham Lebanon Mansfield Columbia Coventry	6.9 5.7 4.4 *3.11 per house *3.14 per house	813.2 111.7 474.2 *84 houses *18 houses	5,611 637 2,086 261 57	8,652

The site is located within an area classified as a "Aquifer Protection Area" (a CT DEP classification synonymous with the EPA "Wellhead Protection Area"), which are areas containing overburden wells supplying to the public (≥1,000 customers) extending to the areas of recharge utilized by such wells. These areas may also be subject to certain restrictions concerning land use, industry, etc. Information derived from the CT DEP project has been used for the purposes of this report although the CT DEP project was in a draft, or level B mapping stage at the time of this investigation.

Five community water companies supply the town of Willimantic with drinking water. The Willimantic Water Works supplies the town of Windham as well as the town of Mansfield. The Willimantic Water Works draws it's water entirely from the Willimantic Reservoir (distribution) and Naubesatuck Lake, aka Mansfield Hollow Dam (storage). There is no potential for activities at this site to impact the Willimantic Water Works supply.

The pumping facility is located approximately one mile downstream of the Willimantic Reservoir and the Mansfield Hollow Dam and is located 2½ miles north of the site. This water supply does not lay along the surface water pathway from the site.

Abby Manor Convalescent Home, Brick Top Apartments, Cedarcrest Apartments, and Willington Commons are the other community water companies located in Windham, Ct.

The following table identifies the public well water supplies located within a four mile radius of Connecticut Cycle Accessories.

### PUBLIC WATER SUPPLY SOURCES WITHIN 4 MILES (AND/OR 15 DOWNSTREAM MILES) OF CONNECTICUT CYCLE ACCESSORIES

	e/Direction Miles
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Source Name Hosmer Mountain Bottling Company	Location of Source Willimantic	Population Served 2,000 case/wk, 275 oz/case, 1 case per family(average)
Brick Top Apartments	Windham	224
Village Hill Apartments	Lebanon	30
Cedarcrest Apartments	Windham	48
Plains Road Apartments	Windham	N/A
Abby Manor Convalescent Home (well)	Windham	105
Mountain Road Supply	Mansfield	72
Colonial Drive 1	Columbia	30

The following table identifies the population served by wells drawing from within a four mile radius of the site. Populations within radial distances were derived using house counts/area, (United States Geological Survey(USGS) Topographic Maps), residents per household/residents per square mile (United States Census Data, 1990), and by information obtained from local town offices and municipal water suppliers serving the study area.

### PRIVATE WELL USERS LOCATED WITHIN A FOUR-MILE RADIUS OF THE SITE

Radial Distance From	Approximate Total Population
Connecticut Cycle Accessories	Served by Wells Public/private
0.00 - 0.25	6,140(Hosmer Mountain Botling Company Supply)
0.25 - 0.50	0
0.50 - 1.00	47 <b>K</b>
1.00 - 2.00	4,170
2.00 - 3.00	6,536
3.00 - 4.00	8,713